

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058892.D
 Acq On : 21 Oct 2019 16:35
 Operator : JC/SP
 Sample : K5420-15
 Misc : 6.12g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-2

Quant Time: Oct 22 03:20:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	358565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	569024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	510122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	207138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	255045	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.57	113	181470	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.08	98	712641	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.41	95	237925	44.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.22%	

Target Compounds

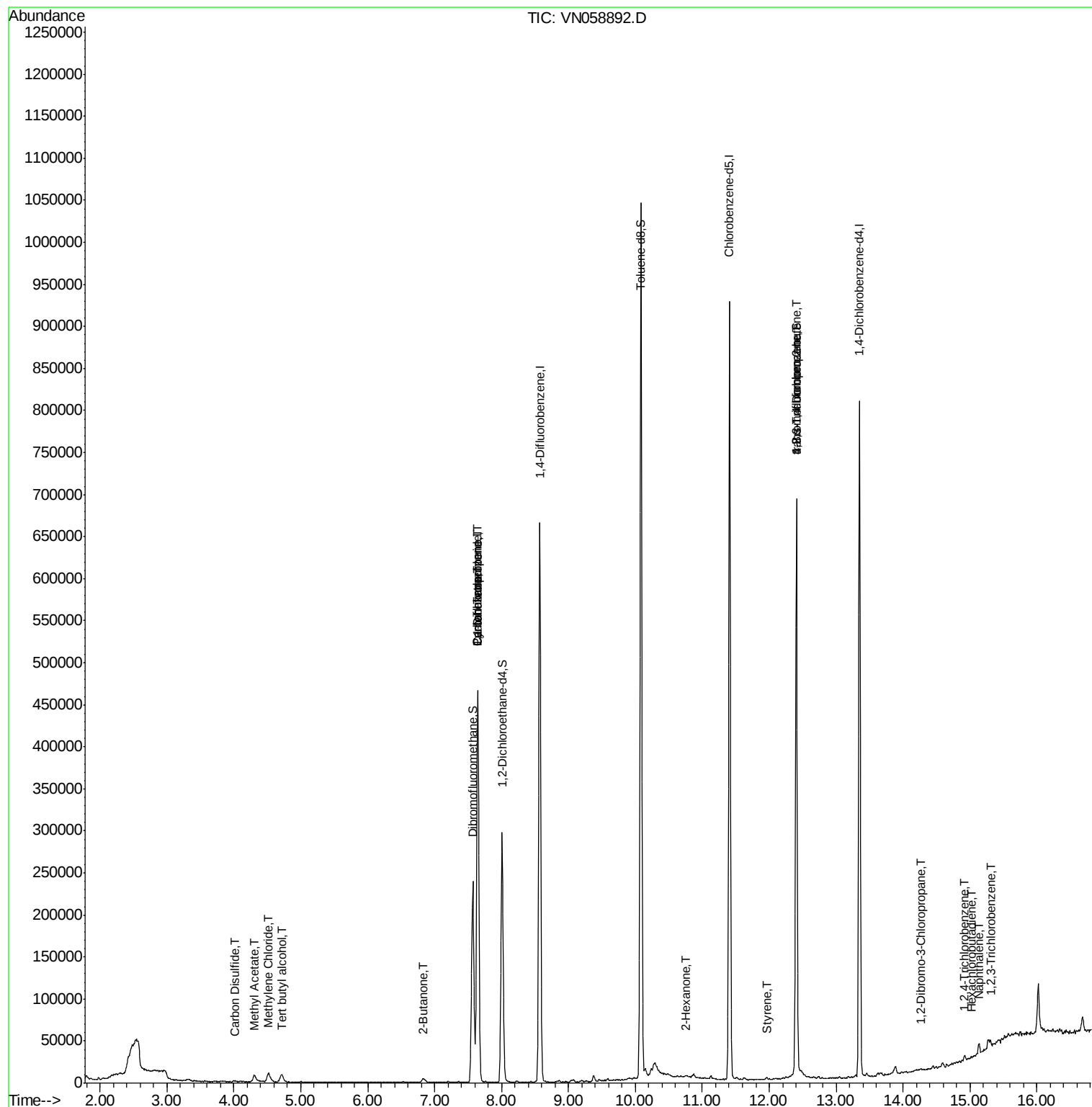
						Qvalue
11) Tert butyl alcohol	4.72	59	7210	8.262	ug/l #	72
17) Carbon Disulfide	4.01	76	2775	0.244	ug/l #	75
18) Methyl Acetate	4.31	43	16885	2.858	ug/l	94
20) Methylene Chloride	4.51	84	8835	1.991	ug/l	88
25) 2-Butanone	6.83	43	2334	0.692	ug/l #	90
31) Cyclohexane	7.65	56	8894	1.177	ug/l #	8
36) 1,1-Dichloropropene	7.64	75	30150	5.175	ug/l #	51
38) Carbon Tetrachloride	7.64	117	36037	6.005	ug/l #	16
59) 2-Hexanone	10.76	43	2299	0.500	ug/l #	47
70) Styrene	11.96	104	200	1.730	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	120997	25.204	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	120997	65.659	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.26	75	386	0.321	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	1963	2.972	ug/l	97
94) Hexachlorobutadiene	15.02	225	460	0.216	ug/l	80
95) Naphthalene	15.13	128	8603	2.918	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	2406	2.964	ug/l	95

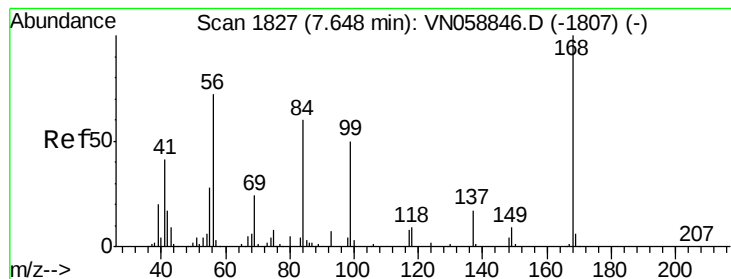
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102119\
Data File : VN058892.D
Acq On : 21 Oct 2019 16:35
Operator : JC/SP
Sample : K5420-15
Misc : 6.12g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SP-2

Quant Time: Oct 22 03:20:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058892.D

Acq: 21 Oct 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

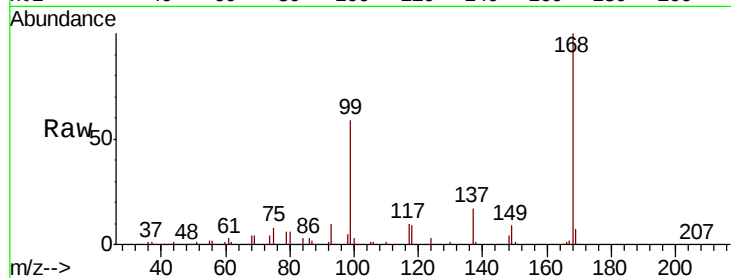
SP-2

Tot Ion:168 Resp: 358565

Ion Ratio Lower Upper

168 100

99 59.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058892.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN058892.D (-1734) (-)

7.64

150000

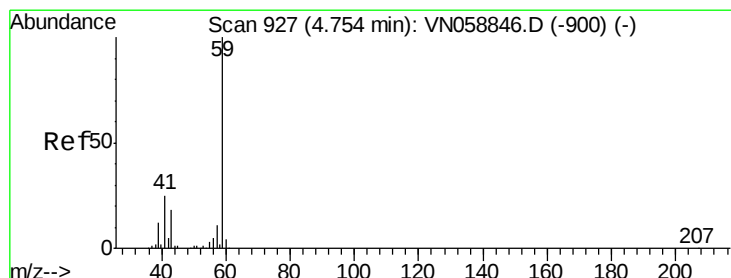
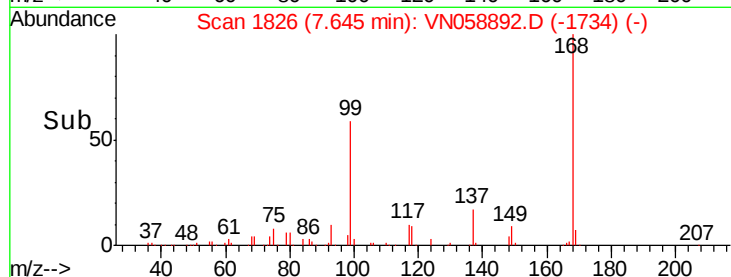
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 8.262 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.03 min

Lab File: VN058892.D

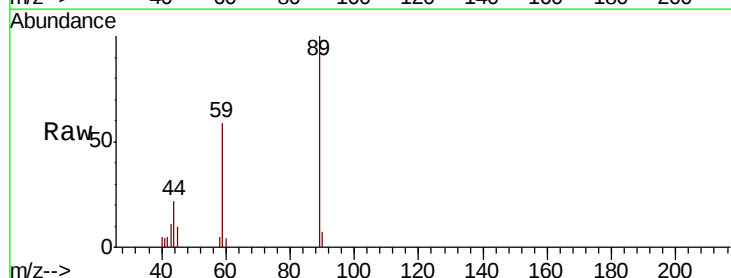
Acq: 21 Oct 2019 16:35

Tgt Ion: 59 Resp: 7210

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN058892.D (-834) (-)

Ion 57.00 (56.70 to 57.70): VN058892.D (-834) (-)

4.72

2500

2000

1500

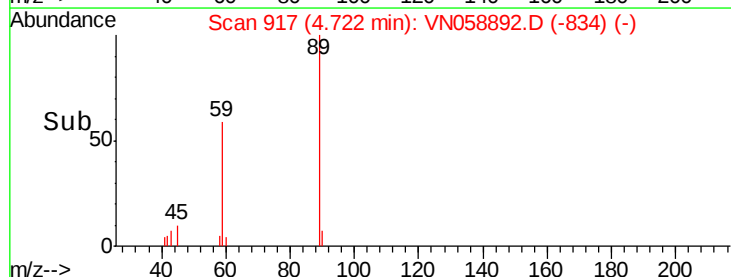
1000

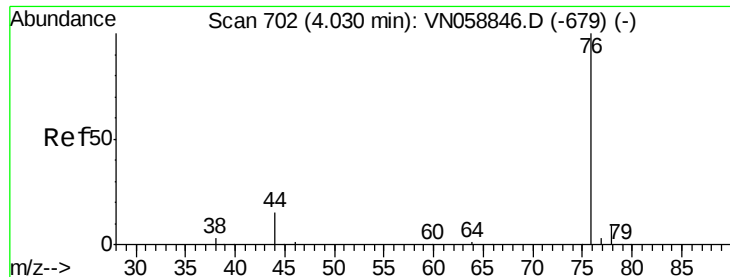
500

0

4.65 4.70 4.75 4.80

Time-->

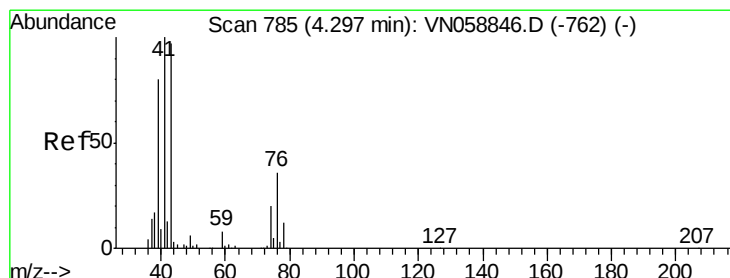
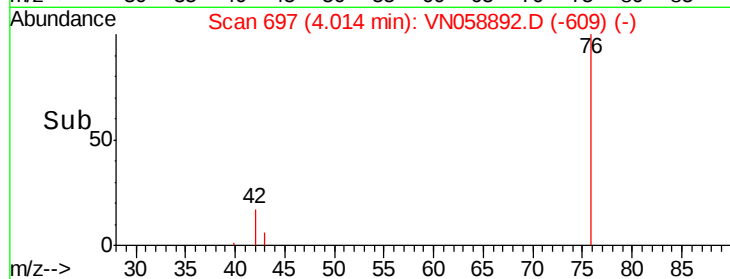
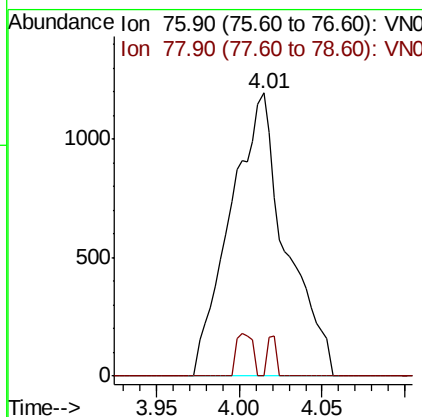
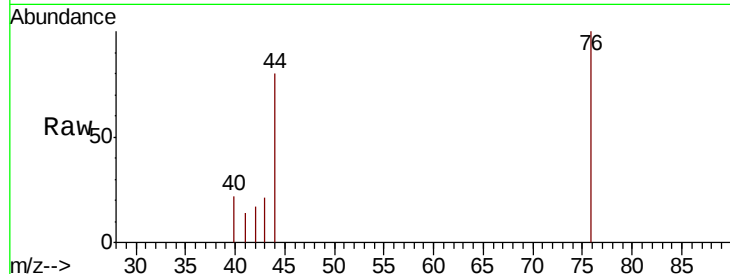




#17
Carbon Disulfide
Concen: 0.244 ug/l
RT: 4.01 min Scan# 697
Delta R.T. -0.02 min
Lab File: VN058892.D
Acq: 21 Oct 2019 16:35

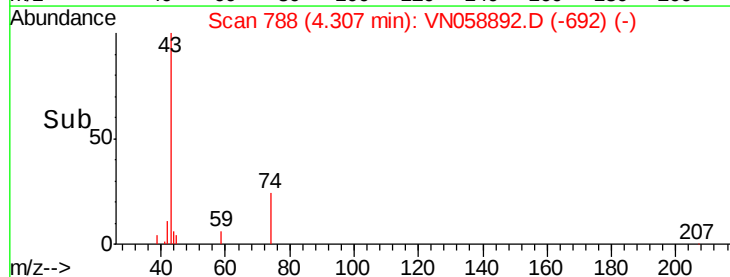
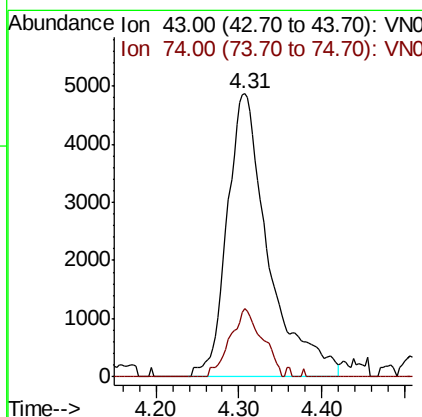
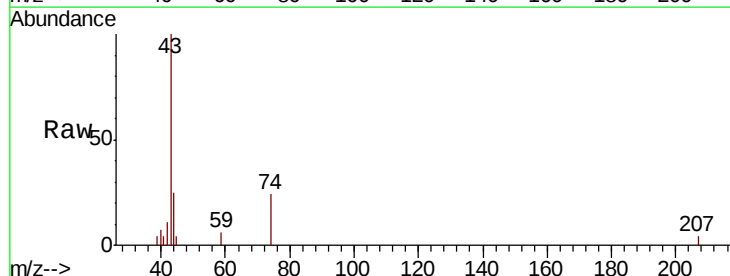
Instrument :
MSVOA_N
ClientSampled :
SP-2

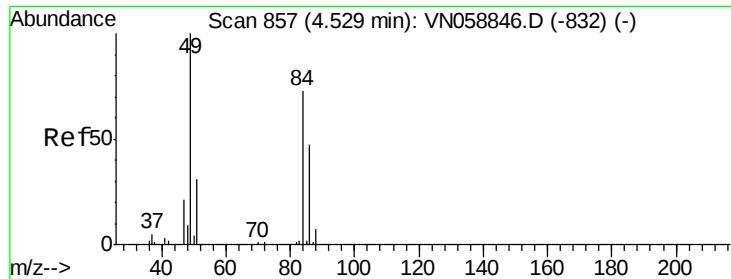
Tot Ion: 76 Resp: 2775
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 2.858 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058892.D
Acq: 21 Oct 2019 16:35

Tgt Ion: 43 Resp: 16885
Ion Ratio Lower Upper
43 100
74 18.7 17.1 25.7

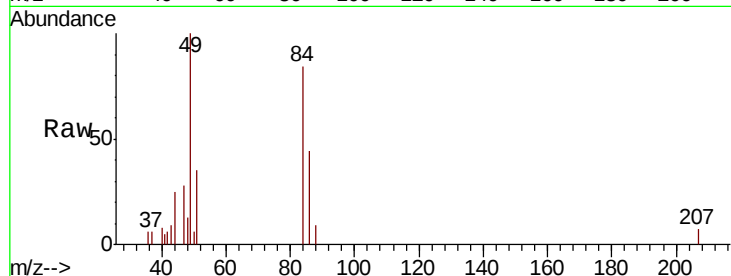




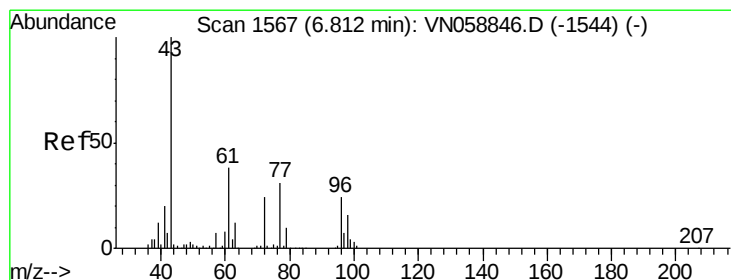
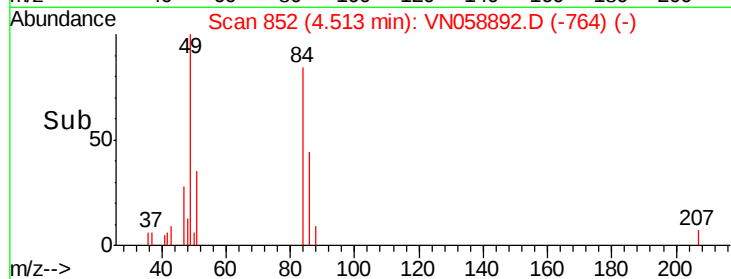
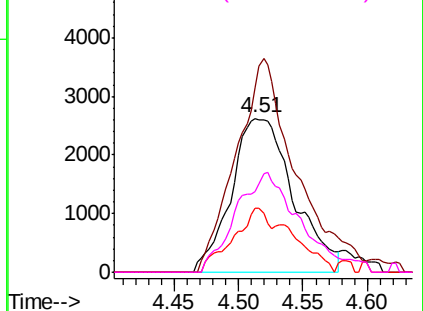
#20
Methvlene Chloride
Concen: 1.991 ug/l
RT: 4.51 min Scan# 852
Delta R.T. -0.02 min
Lab File: VN058892.D
Acq: 21 Oct 2019 16:35

Instrument :
MSVOA_N
ClientSampled :
SP-2

Tot Ion:	84	Resp:	8835
Ion	Ratio	Lower	Upper
84	100		
49	119.6	109.6	164.4
51	41.5	33.8	50.6
86	52.2	51.5	77.3

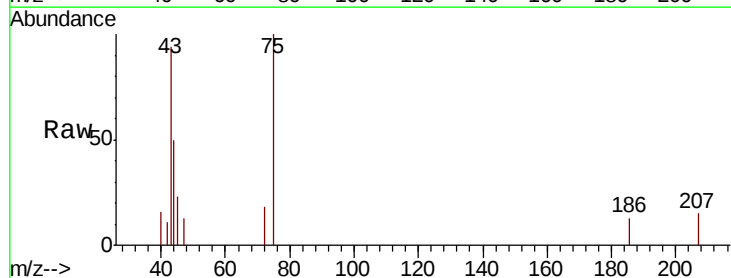


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

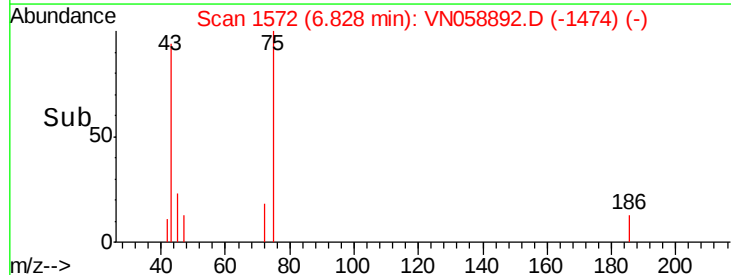
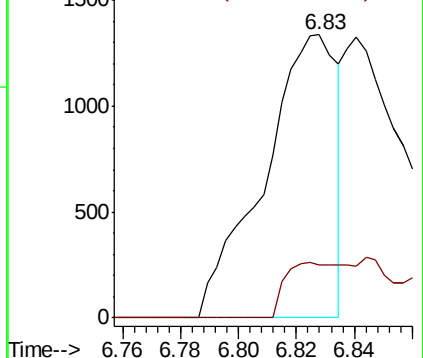


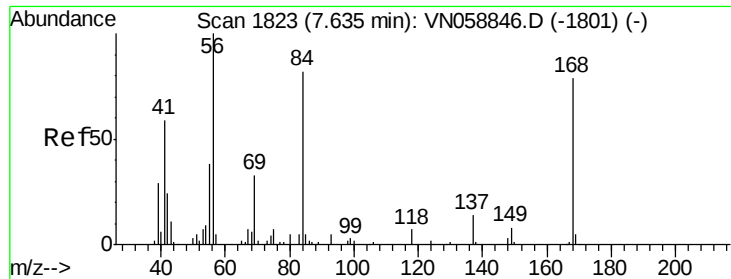
#25
2-Butanone
Concen: 0.692 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.02 min
Lab File: VN058892.D
Acq: 21 Oct 2019 16:35

Tgt Ion:	43	Resp:	2334
Ion	Ratio	Lower	Upper
43	100		
72	18.9	19.1	28.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

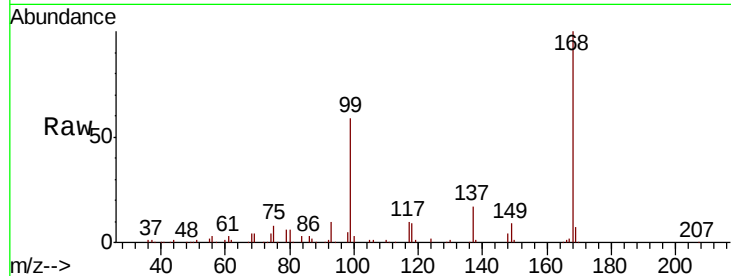




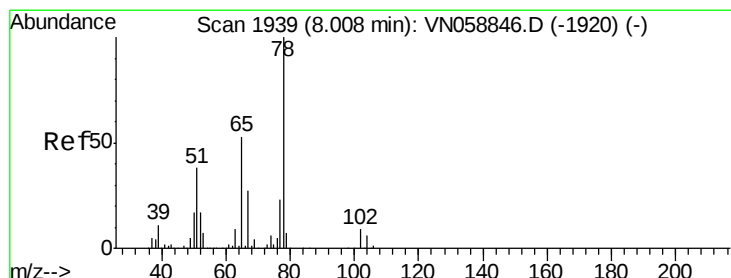
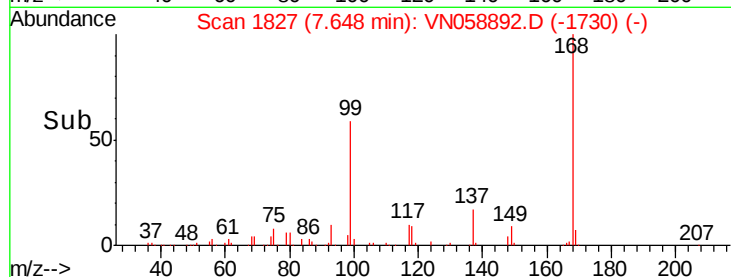
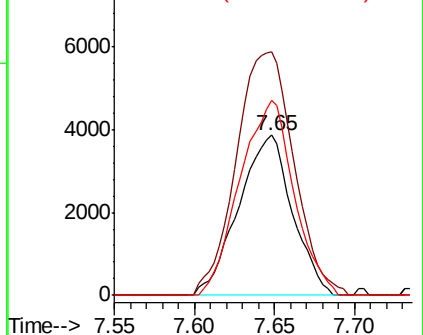
#31
Cyclohexane
Concen: 1.177 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058892.D
Acq: 21 Oct 2019 16:35

Instrument :
MSVOA_N
ClientSampled :
SP-2

Tot Ion: 56 Resp: 8894
Ion Ratio Lower Upper
56 100
69 152.2 26.2 39.4#
84 121.7 65.6 98.4#

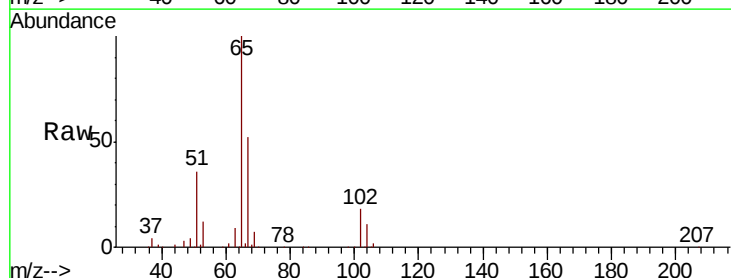


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

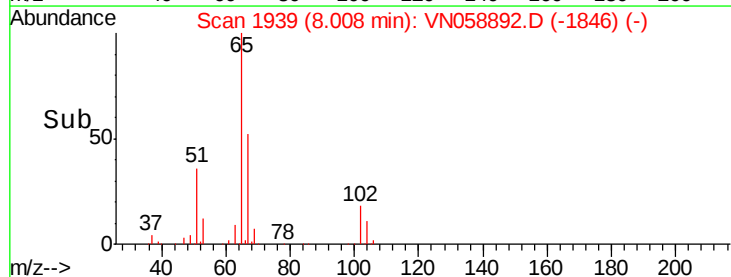
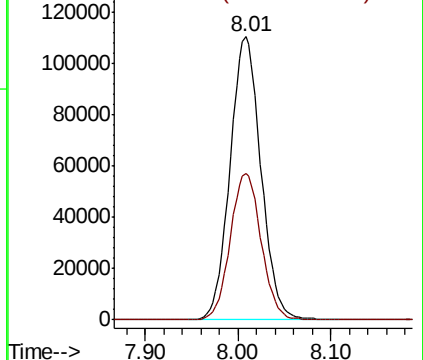


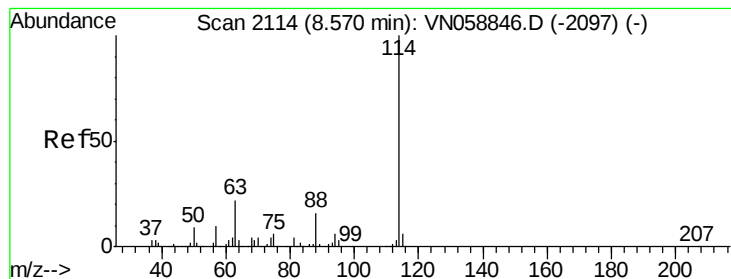
#33
1,2-Dichloroethane-d4
Concen: 48.498 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN058892.D
Acq: 21 Oct 2019 16:35

Tgt Ion: 65 Resp: 255045
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058892.D

Acq: 21 Oct 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

SP-2

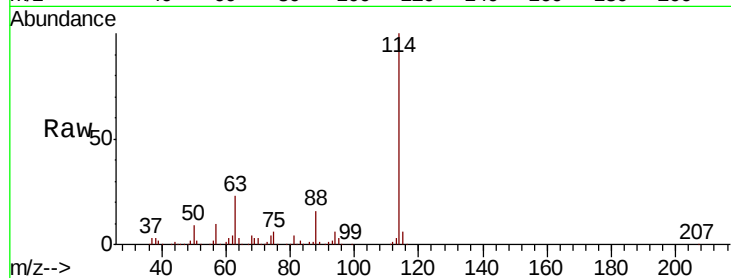
Tot Ion:114 Resp: 569024

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.4

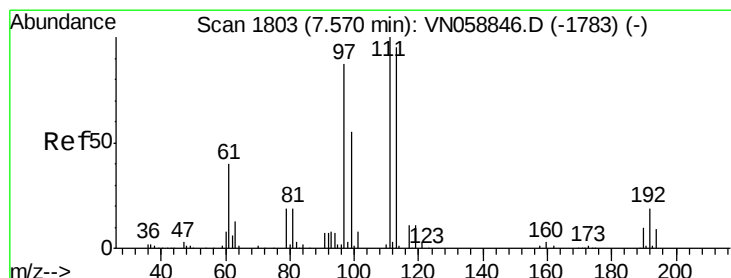
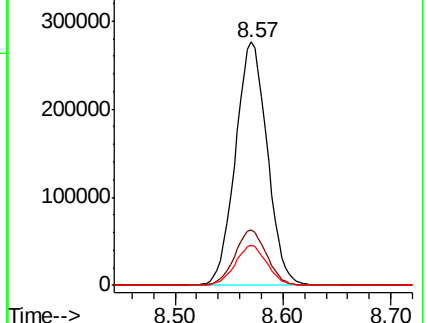
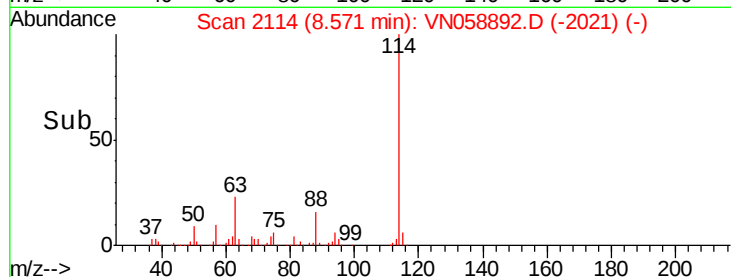
88 16.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.506 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN058892.D

Acq: 21 Oct 2019 16:35

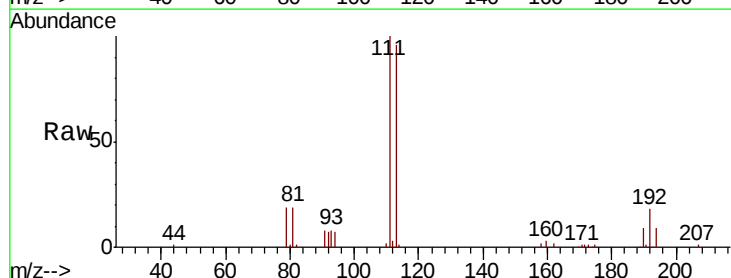
Tgt Ion:113 Resp: 181470

Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

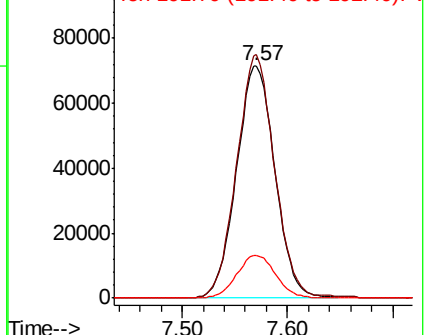
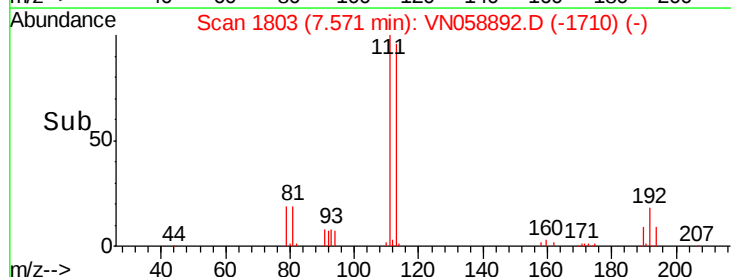
192 18.7 15.0 22.6

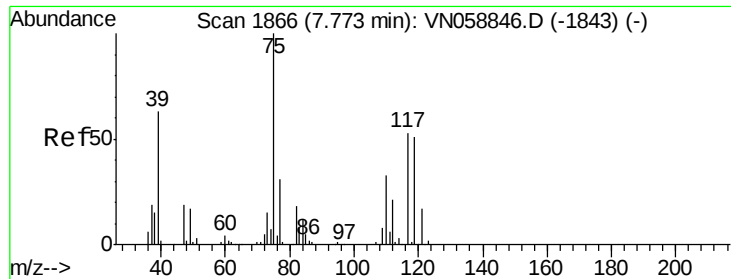


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

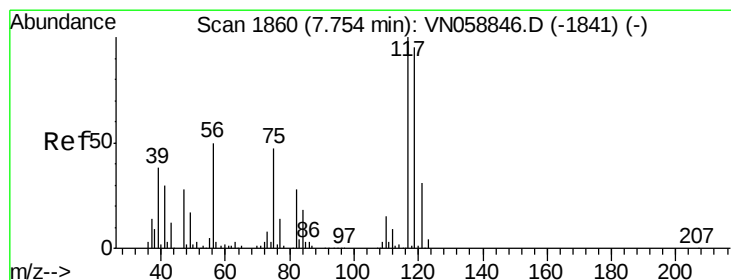
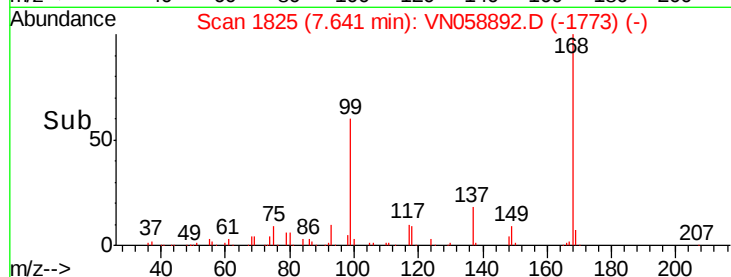
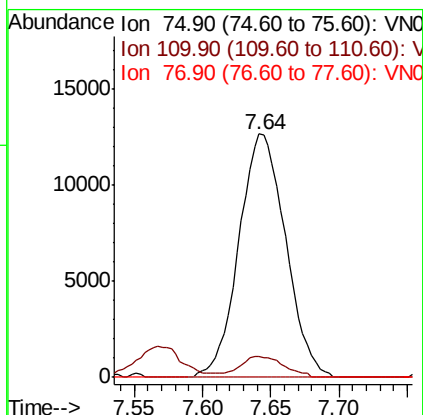
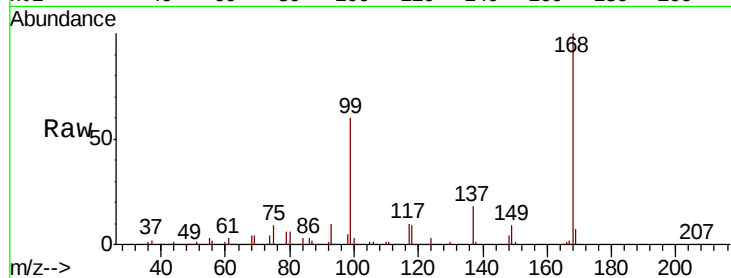




#36
 1,1-Dichloropropene
 Concen: 5.175 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN058892.D
 Acq: 21 Oct 2019 16:35

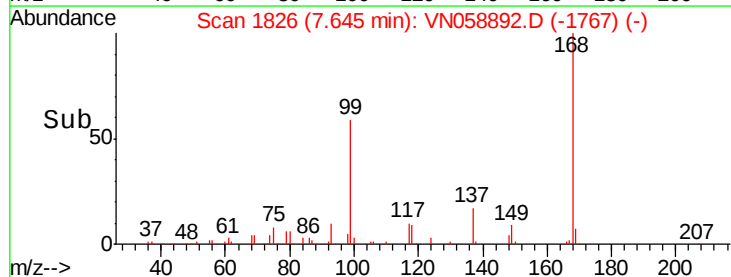
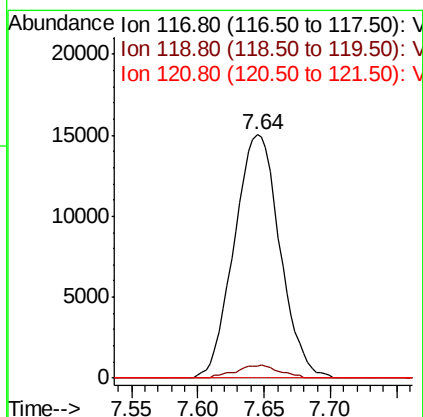
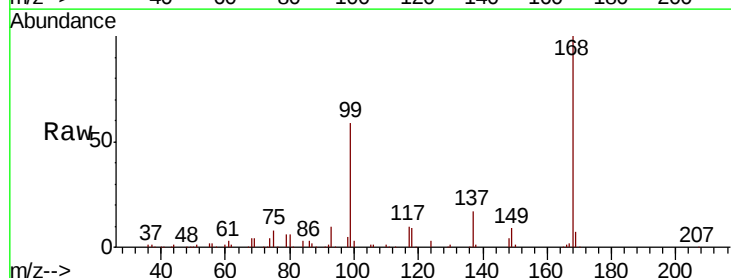
Instrument :
 MSVOA_N
 ClientSampled :
 SP-2

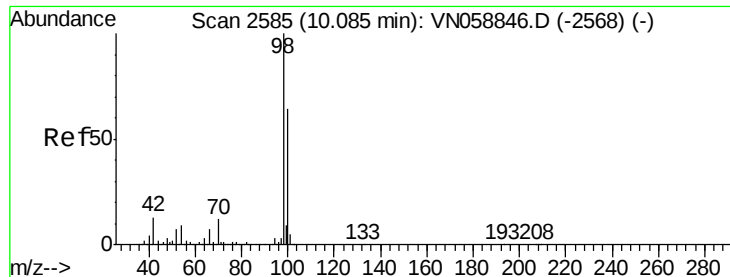
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.3	48.9#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.005 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN058892.D
 Acq: 21 Oct 2019 16:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.7	113.5#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 49.071 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058892.D

Acq: 21 Oct 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

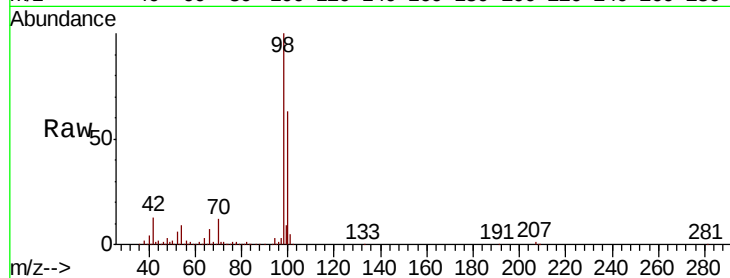
SP-2

Tot Ion: 98 Resp: 712641

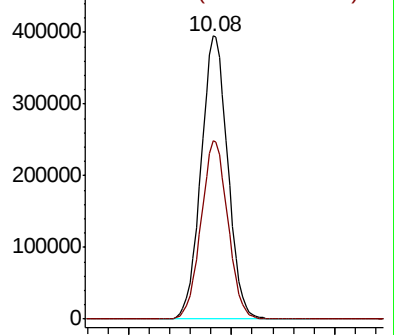
Ion Ratio Lower Upper

98 100

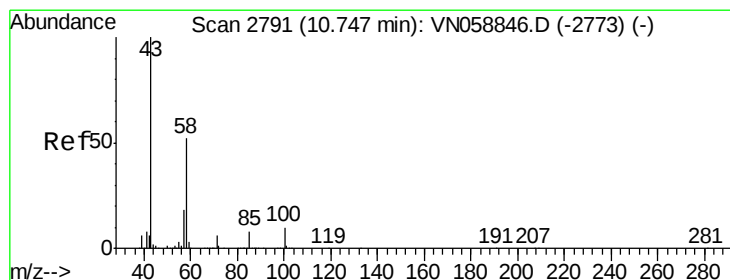
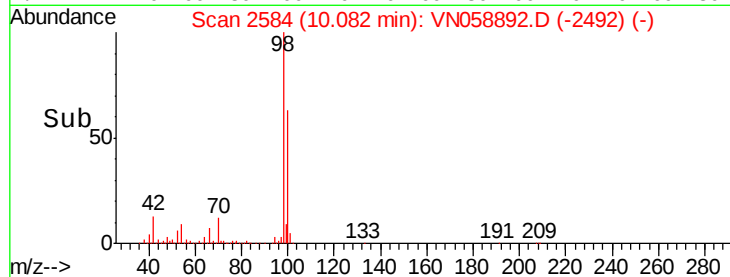
100 63.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN058846.D (-2568) (-)



Time-->



#59

2-Hexanone

Concen: 0.500 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN058892.D

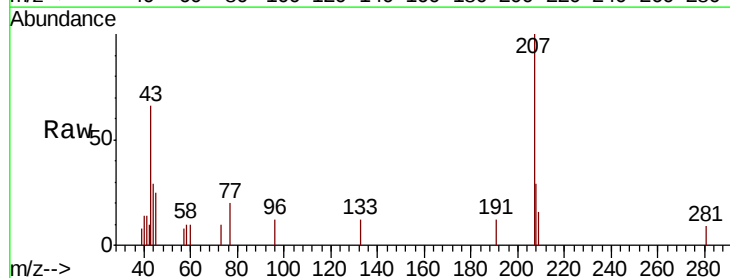
Acq: 21 Oct 2019 16:35

Tgt Ion: 43 Resp: 2299

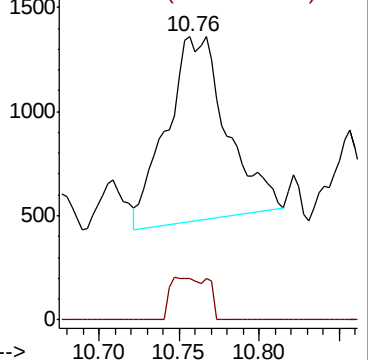
Ion Ratio Lower Upper

43 100

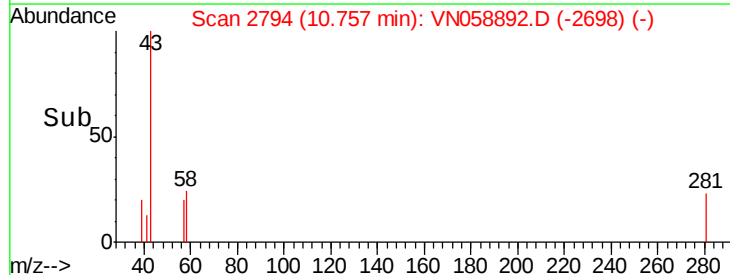
58 14.3 25.9 77.7#

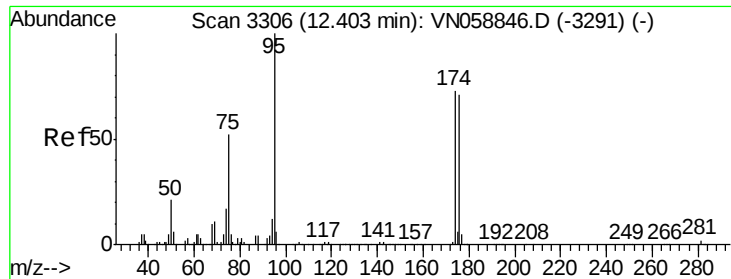


Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2773) (-)



Time-->

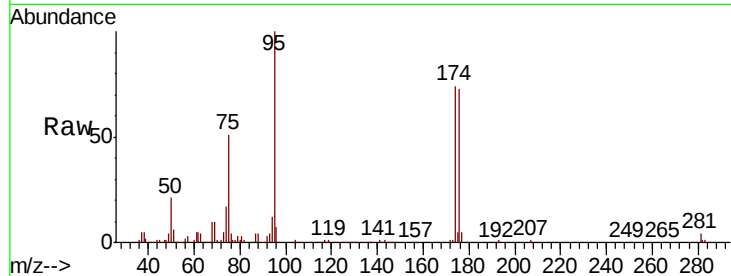




#62
4-Bromofluorobenzene
Concen: 44.613 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058892.D
Acq: 21 Oct 2019 16:35

Instrument :
MSVOA_N
ClientSampled :
SP-2

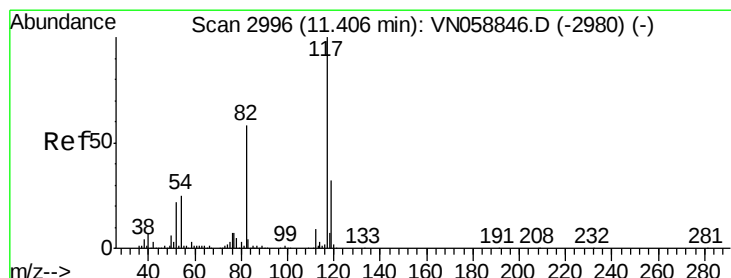
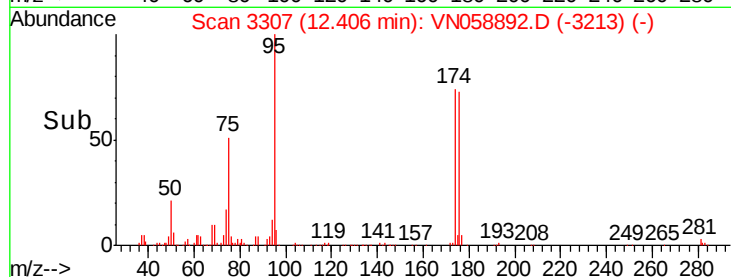
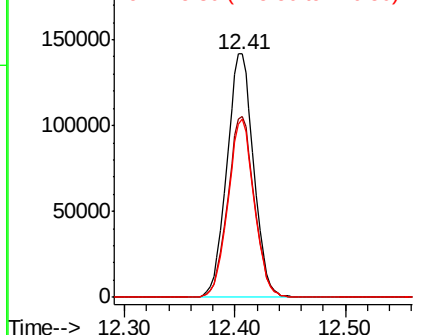
Tot Ion	95	Resp	237925
Ion Ratio	Lower	Upper	
95	100		
174	74.0	0.0	147.6
176	71.7	0.0	143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

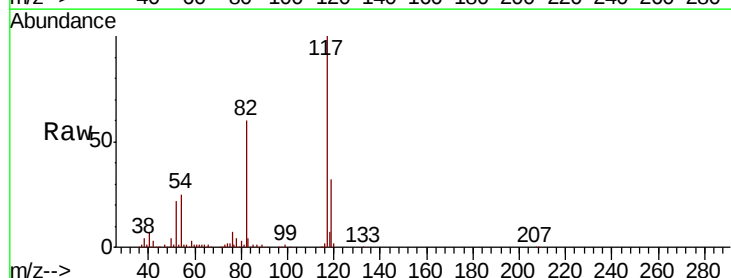
Ion 173.80 (173.50 to 174.50): VN058846.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058846.D (-3291) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058892.D
Acq: 21 Oct 2019 16:35

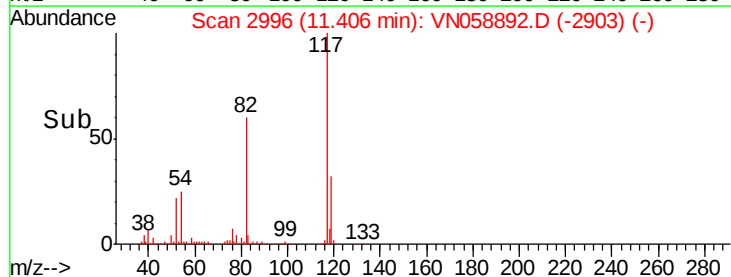
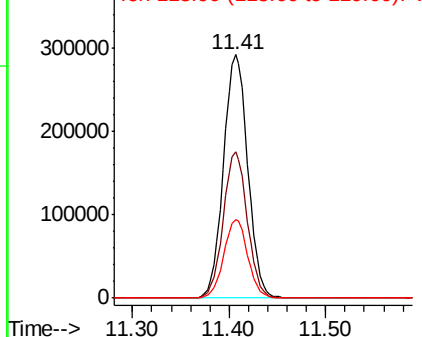
Tgt Ion	117	Resp	510122
Ion Ratio	Lower	Upper	
117	100		
82	60.0	46.6	69.8
119	32.4	25.6	38.4

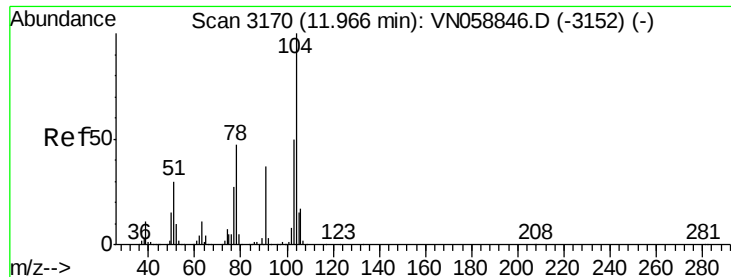


Abundance Ion 116.90 (116.60 to 117.60): VN058846.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058846.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058846.D (-2980) (-)

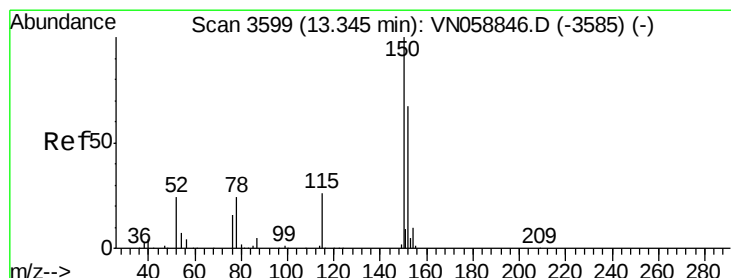
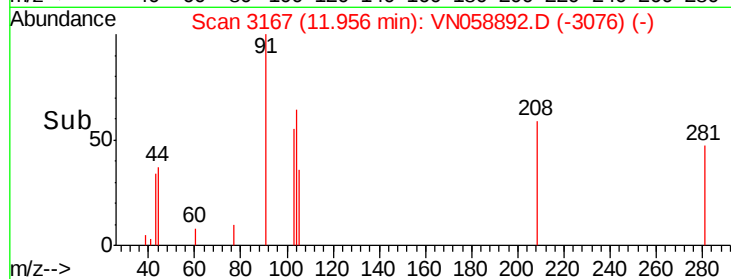
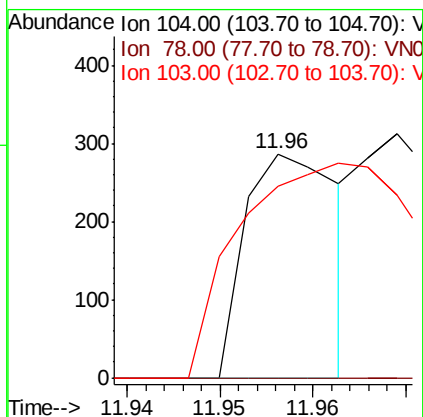
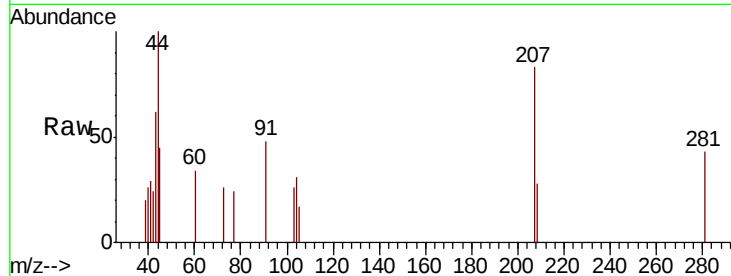




#70
Stvrene
Concen: 1.730 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.01 min
Lab File: VN058892.D
Acq: 21 Oct 2019 16:35

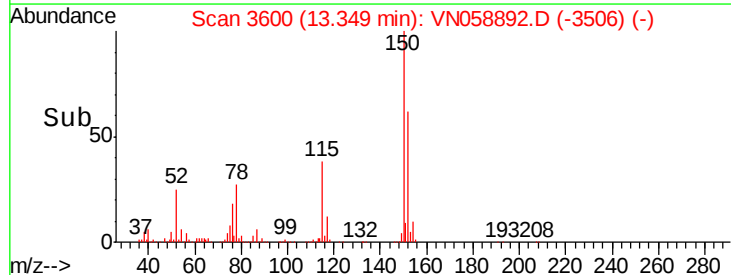
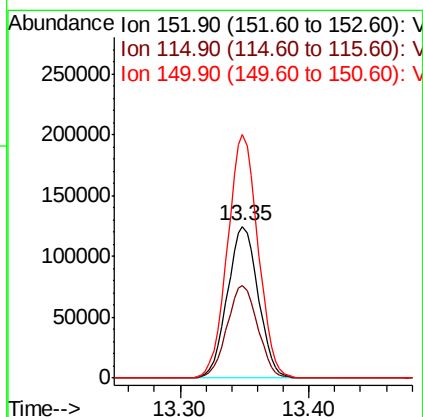
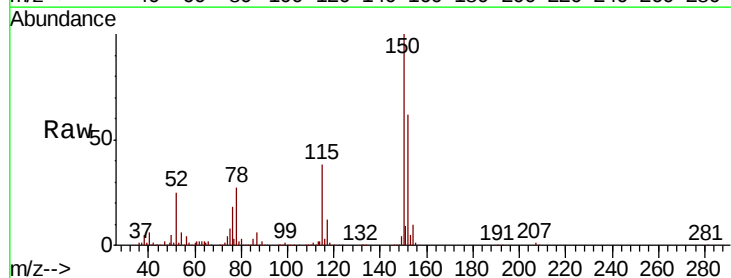
Instrument :
MSVOA_N
ClientSampled :
SP-2

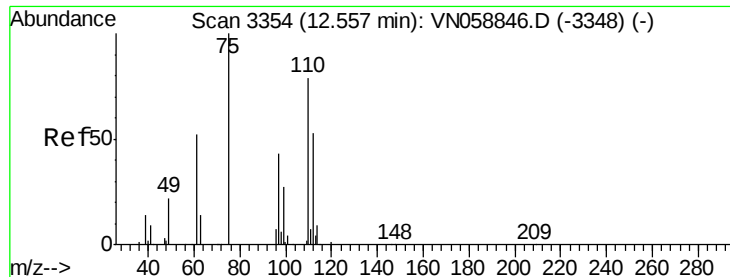
Tot Ion:104 Resp: 200
Ion Ratio Lower Upper
104 100
78 0.0 42.8 64.2#
103 176.5 44.3 66.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058892.D
Acq: 21 Oct 2019 16:35

Tgt Ion:152 Resp: 207138
Ion Ratio Lower Upper
152 100
115 60.9 30.5 91.5
150 157.8 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 25.204 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058892.D

Acq: 21 Oct 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

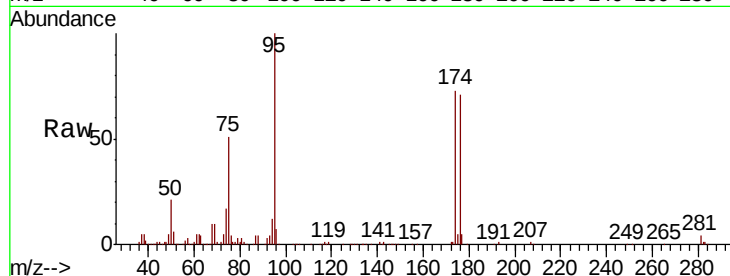
SP-2

Tot Ion: 75 Resp: 120997

Ion Ratio Lower Upper

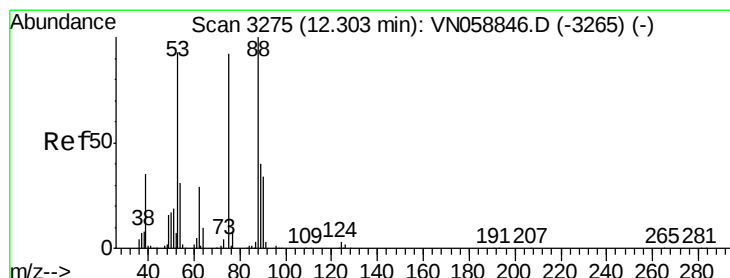
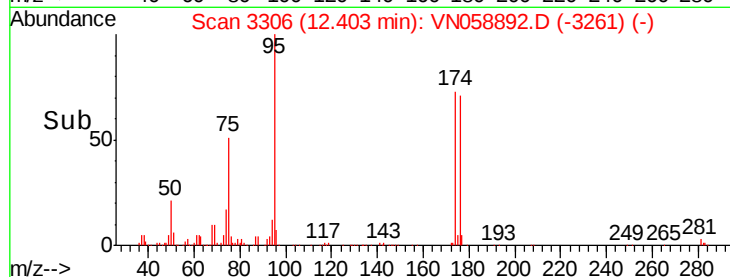
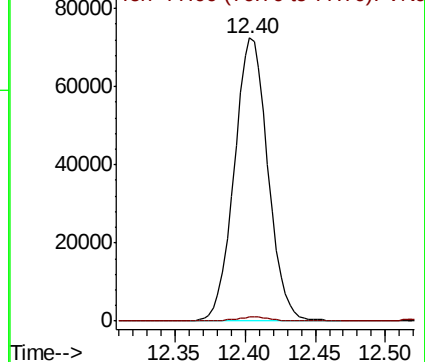
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 65.659 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058892.D

Acq: 21 Oct 2019 16:35

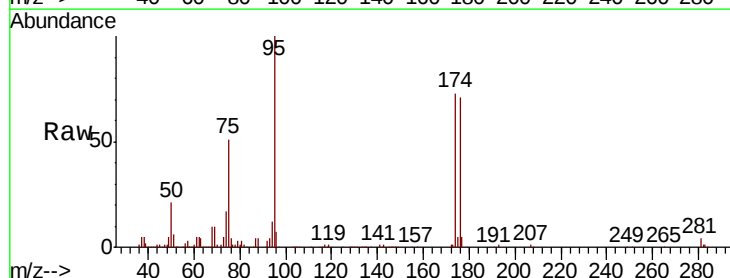
Tgt Ion: 75 Resp: 120997

Ion Ratio Lower Upper

75 100

53 0.1 78.6 118.0#

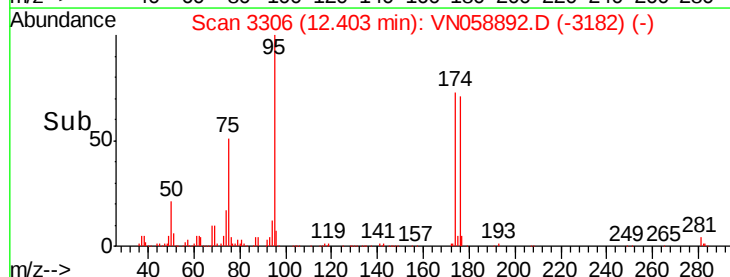
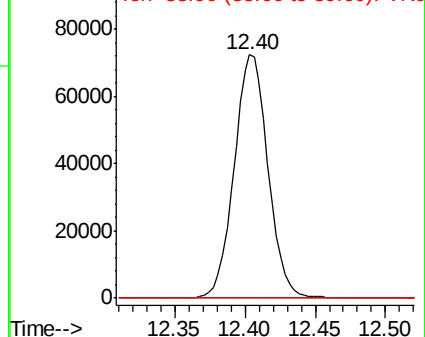
89 0.0 35.4 53.0#

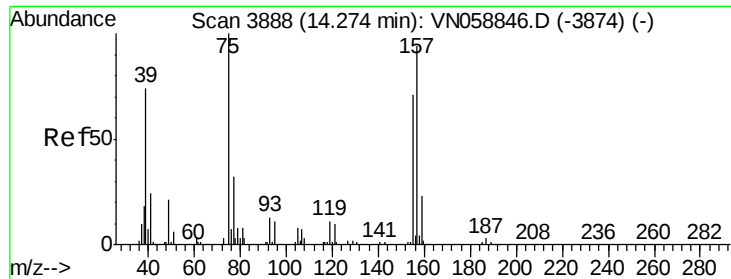


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.321 ug/l

RT: 14.26 min Scan# 3884

Delta R.T. -0.01 min

Lab File: VN058892.D

Acq: 21 Oct 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

SP-2

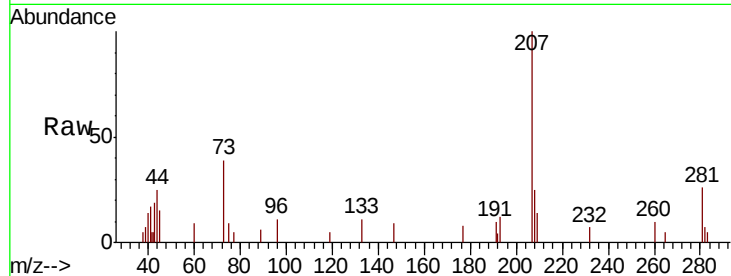
Tot Ion: 75 Resp: 386

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.8#

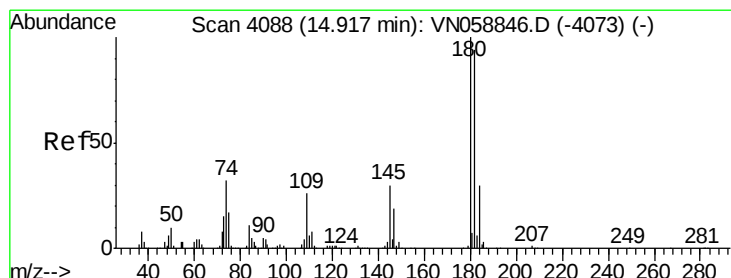
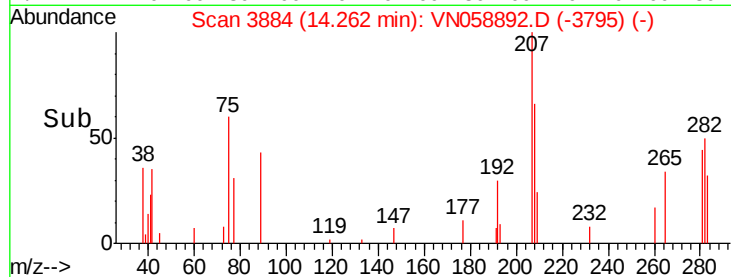
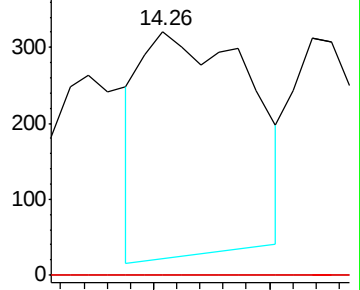
157 0.0 47.4 142.2#



Abundance Ion 74.90 (74.60 to 75.60): VN058892.D (-3795) (-)

Ion 154.80 (154.50 to 155.50): VN058892.D (-3795) (-)

Ion 156.80 (156.50 to 157.50): VN058892.D (-3795) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.972 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN058892.D

Acq: 21 Oct 2019 16:35

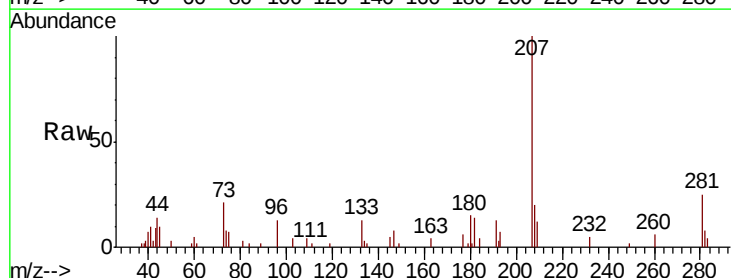
Tgt Ion: 180 Resp: 1963

Ion Ratio Lower Upper

180 100

182 95.6 47.3 142.0

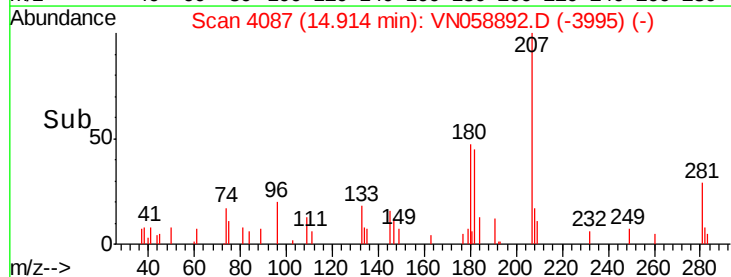
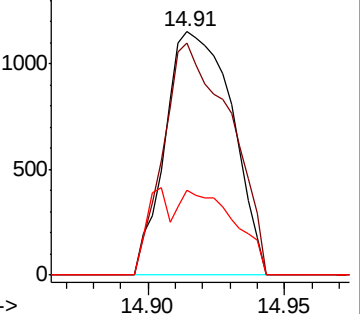
145 26.2 15.3 45.8

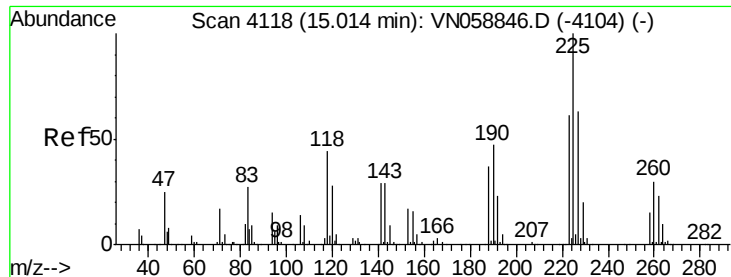


Abundance Ion 179.80 (179.50 to 180.50): VN058892.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN058892.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058892.D (-3995) (-)





#94

Hexachlorobutadiene

Concen: 0.216 ug/l

RT: 15.02 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VN058892.D

Acq: 21 Oct 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

SP-2

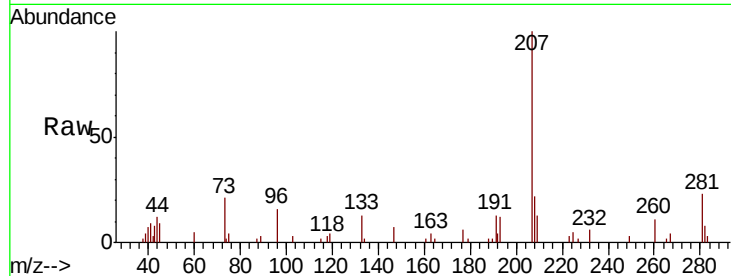
Tot Ion:225 Resp: 460

Ion Ratio Lower Upper

225 100

223 85.9 30.9 92.5

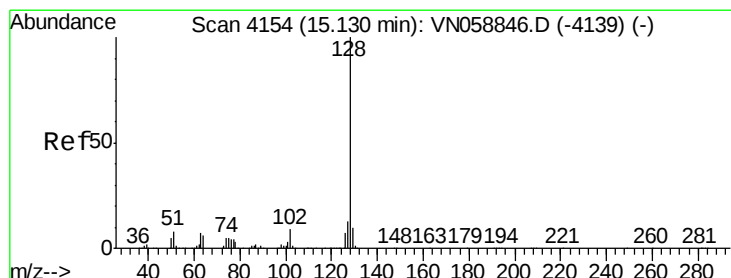
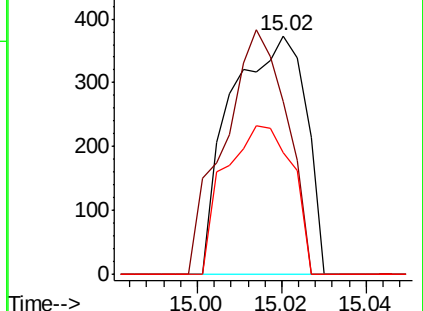
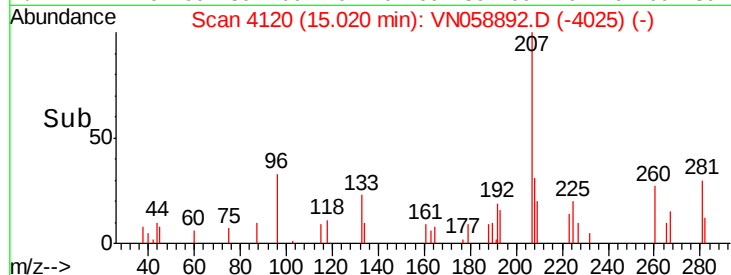
227 56.3 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.918 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058892.D

Acq: 21 Oct 2019 16:35

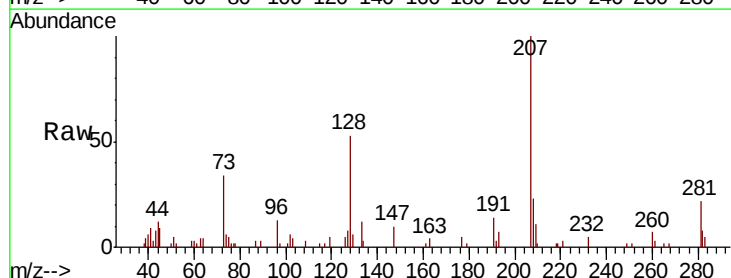
Tgt Ion:128 Resp: 8603

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

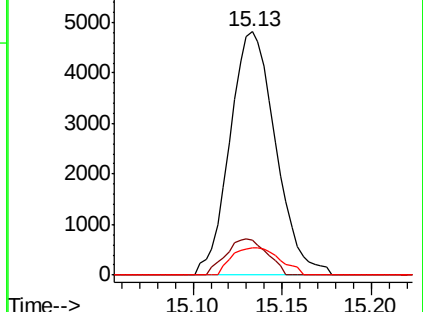
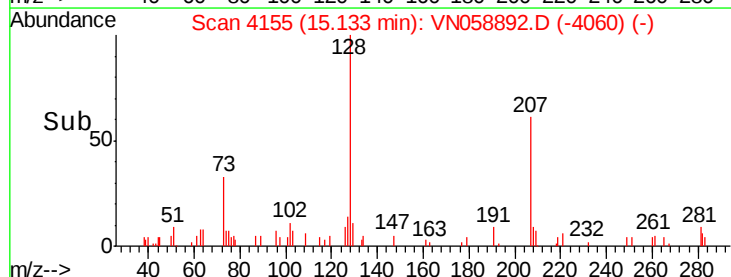
129 11.8 8.4 12.6

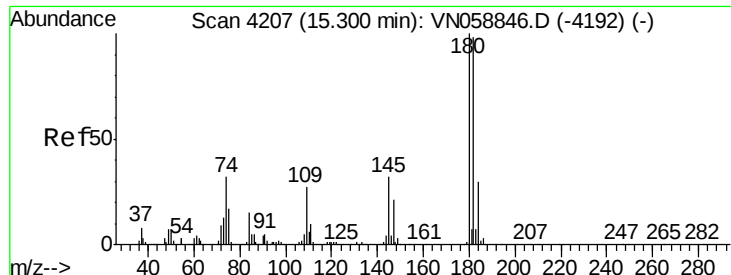


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.964 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058892.D
 Acq: 21 Oct 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-2

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.9	143.7
145	35.0	15.9	47.7

